

Executive Order 14008 on Climate Change

Tackling the Climate Crisis at Home and Abroad



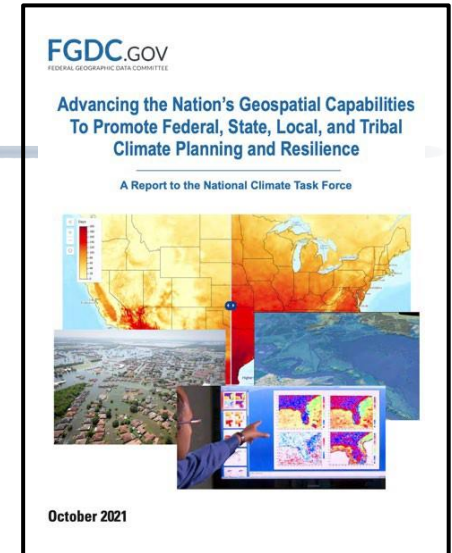
May 18, 2022

Tony LaVoi, NOAA Chief Data Officer

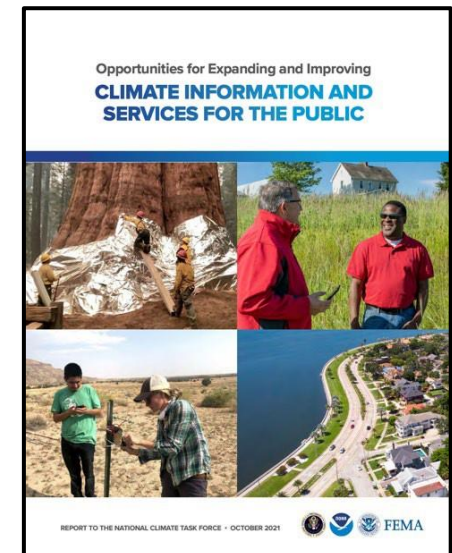
NGAC Member

NGAC and EO 14008

- EO 14008 issued in January 2021
- Two climate information reports to the Climate Task Force (FGDC named lead for one)
- NGAC engagement (docs @ www.fgdc.gov/ngac)
 - April 2021: Introduced CRIS concept; facilitated discussion on Day 1 and 2; NGAC feedback on approach
 - June 2021: Climate Mapping Report update; The Opportunity Project Climate Smart Communities
 - October 2021: Overview of Climate Mapping and Climate Information System reports; NGAC resolution
 - December 2021: CRIS update; FGDC Evaluation of Climate Mapping Capabilities and FGDC Core Activities (120 Day Evaluation)



FGDC Report on Advancing Geospatial Capabilities



OSTP/NOAA/FEMA
Report on Climate Information and Services

NGAC Resolution

*“The NGAC supports the findings and recommendations of the FGDC report, “Advancing the Nation’s Geospatial Capabilities to Promote Federal, State, Local, and Tribal Climate Planning and Resilience,” and **recommends an immediate roll out of pilots, prototyping, and exploratory activities that complement and supplement the 120-day review described in the report.** The NGAC believes that this parallel approach to addressing Federal climate mapping services will help align and accelerate the deployment of data and services to meet the needs of the Nation.”*

Approved by the NGAC, October 13, 2021

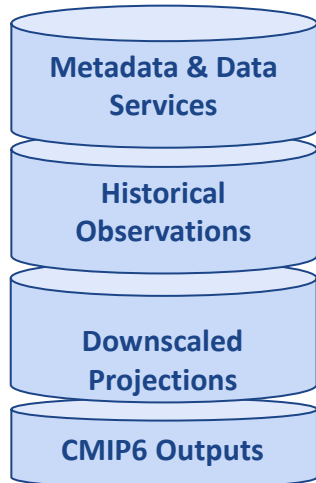
Revising FGDC Climate Implementation Approach

- Based on WH Climate Task Force input, FGDC is revising implementation approach for climate mapping initiative
- Major focus of climate initiative will be the development/ implementation of the Climate Resilience Information System (CRIS)
- Recommendation: Given the emphasis on CRIS, FGDC should shift focus from developing a 120-day evaluation of core services to partnering with CRIS leadership to:
 - Define the geospatial data and services requirements for CRIS
 - Evaluate how FGDC services can be aligned to effectively support the implementation of CRIS
- **FGDC Steering Committee at the March 2022 meeting concurred with revising the climate mapping approach to focus on the development of CRIS**

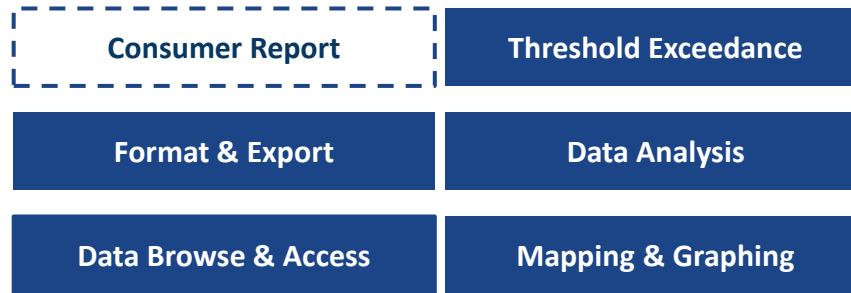
Climate Resilience Information System (CRIS)

- US Global Change Research Program (USGCRP), in partnership with the FGDC, is leading a cross-agency effort to develop CRIS – Climate Resilience Information System
- Brings together climate-relevant Federal data to support local planning and decision-making to help protect people, property, and infrastructure
- Complements the U.S. Climate Resilience Toolkit (CRT), which offers discovery metadata and links to a wide range of Federal decision-support tools and information resources
- **Scope:** five climate-driven hazards, including extreme heat, coastal inundation, flooding, drought, and wildfire
- **Components:** (1) National Climate Hazards Portal, (2) National Screening Tool [READI Portal], and (3) Climate Maps & Data Explorer
- **Target Audiences:** Decision-Makers, Service Providers, and Public

Climate Resilience Information System (CRIS)



**DECISION-
RELEVANT
FEDERAL DATA
LAKE**



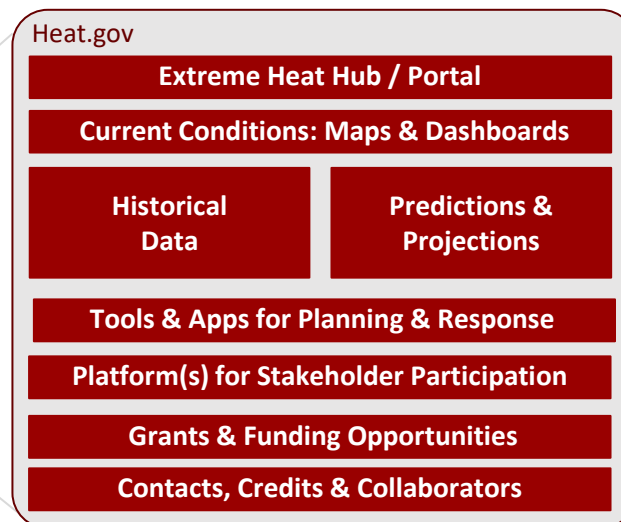
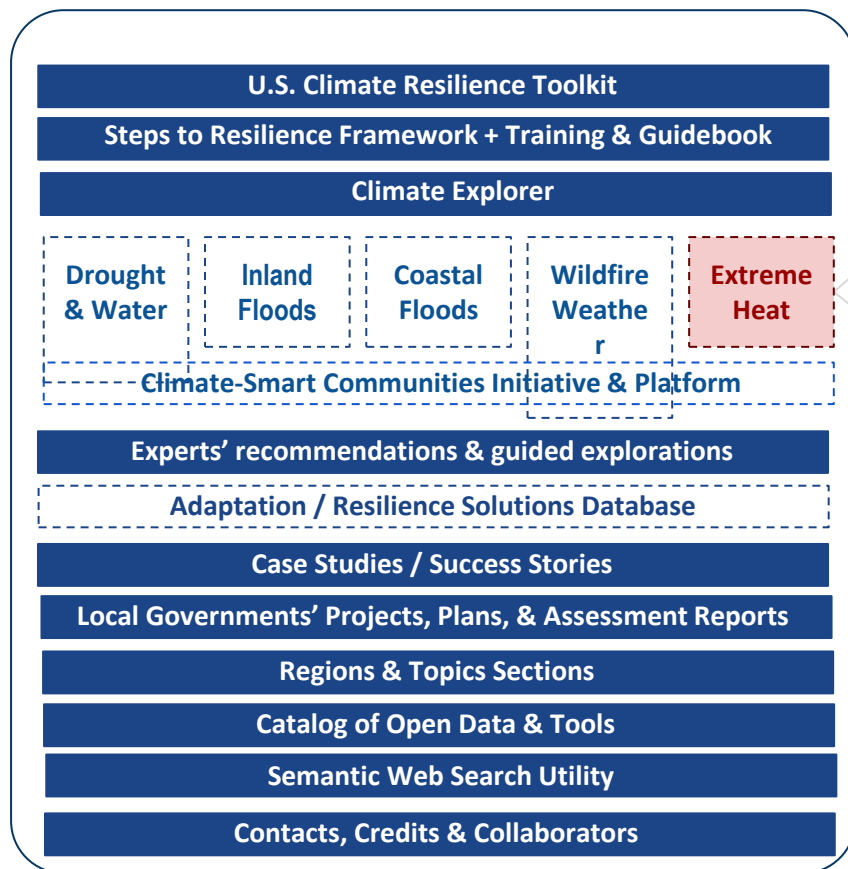
**OPEN ACCESS / OPEN-SOURCE TOOL
DEVELOPERS WORKBENCH
(ANALYTICAL SERVICES)**



**FEDERAL GEOSPATIAL
DATA & SERVICES**

Knowledge-Sharing Platform:

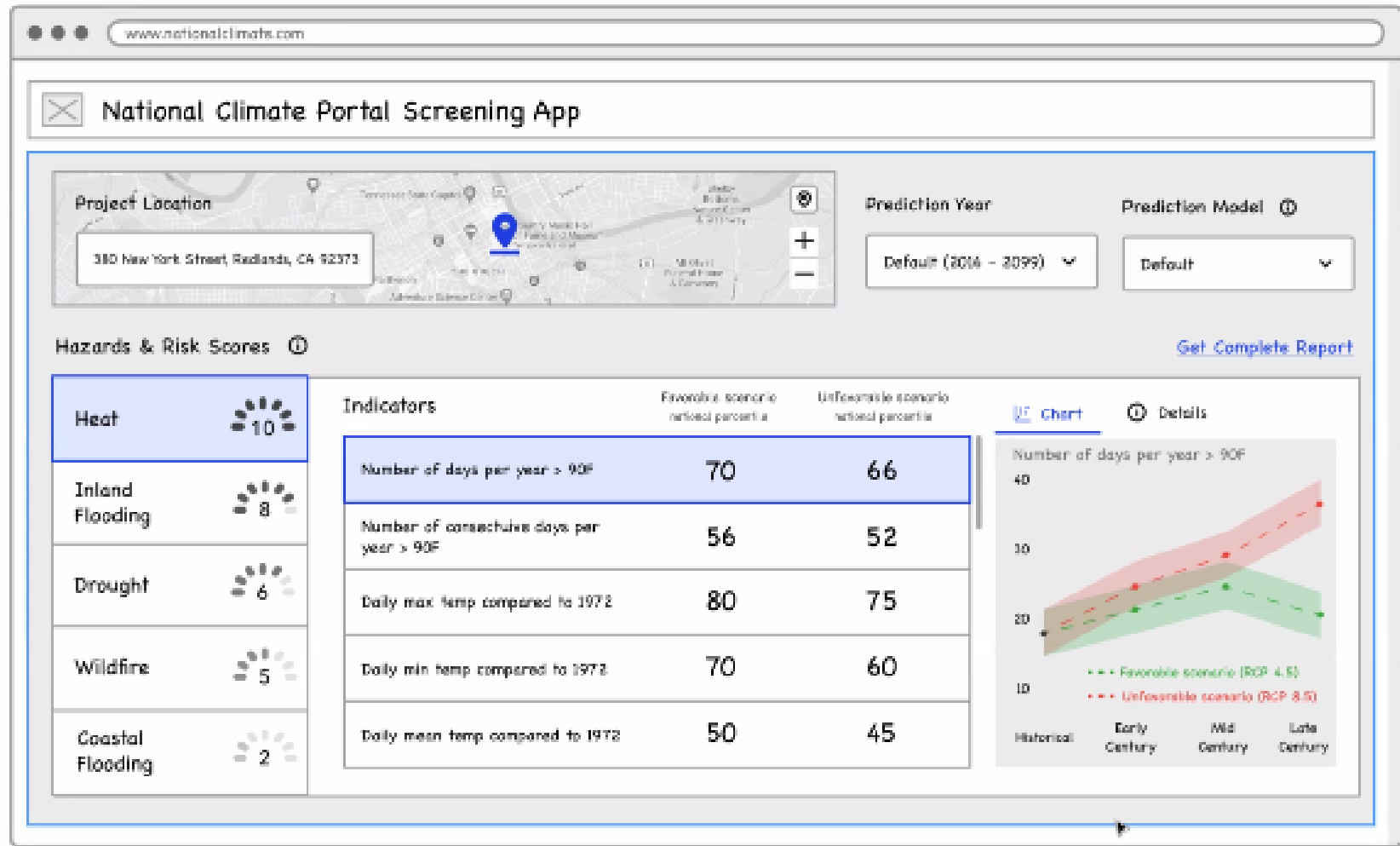
Dashboards, Community Hubs, Story Maps, ArcGIS Online



Introducing READI

- The **RE**silience and **AD**aptation Information (**READI**) Portal is being developed as a centralized hub of information to aid in planning and implementing climate resilience in federally funded projects and programs with specific relevance to the Infrastructure Investment and Jobs Act (IIJA)
- The READI Portal is meant to support a high-level (i.e. a screening-level) assessment of project vulnerability based on exposure to high priority climate-related hazards derived from authoritative federal climate data
- An initial deployment of READI is scheduled for Summer 2022, with subsequent updates to extend capabilities to address additional analysis tasks relevant to different audiences
- READI is being led by the White House Climate Policy Office in collaboration with OMB, CEQ, OSTP, NOAA, and Interior

Introducing READI



Current Status / NGAC Opportunities

- CRIS Leadership Team continues to refine CRIS scope and develop initial implementation plans
 - Potential opportunity for future NGAC session when prototype is ready for review
- READI requirements and Statement of Work are complete
 - Awaiting Infrastructure Bill spending authorization to issue task order
 - Anticipating initial READI release later this Summer
- No direct request for NGAC at this time